

# NEW JERSEY WEEKLY CROP WEATHER

## New Jersey Agricultural Statistics Service

In Cooperation With:

U.S. Department of Agriculture National Agricultural Statistics Service Agricultural Marketing Service U.S. Department of Commerce/N.O.A.A. Rutgers University

#### **NOAA WEATHER RADIO STATIONS**

Allentown

WXL-39 on the VHF-FM frequency of 162.40 Megahertz.

Atlantic City

KHB-38 on the VHF-FM

frequency of 162.40 Megahertz.

New York City KWO-35 on the VHF-FM

frequency of 160.55 Megahertz.

Philadelphia

KIH-28 on the VHF-FM frequency of 162.475 Megahertz.

#### **NEW JERSEY AUCTIONS**

**Vineland** 

Phone: (856)691-0721

Sales 10:00AM Daily except Sunday.

Landisville

Phone: (856)697-2273 Direct Sales Daily **Swedesboro** 

Phone: (856)476-0313

Hightstown Phone: (609)448-0193

Auction Sales Mon-Wed-Fri-7pm

Volume 67 No. 15

Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania Issued by Rutgers University New Brunswick NJ 7 am EDT Monday, July 18, 2005

Date: July 18, 2005

Rainfall amounts, scattered tenth to a quarter of an inch with locally higher amounts possible through tonight, scattered tenth to a quarter of an inch with locally higher amounts possible Tuesday.

Winds for spraying, south 5 to 10 mph today, south 5 to 10 mph tonight, southwest 5 to 10 mph Tuesday.

Relative humidity in percent, 50 to 60 today, 90 to near 100 tonight, 50 to 60 Tuesday.

Dew points, low to mid 70s through Tuesday.

Drying conditions, fair today, fair Tuesday.

Frost freeze or dew, little dew but wetting possible in precipitation both nights.

Percent of possible sunshine, 30 today, 60 Tuesday.

There is a 50 percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm that could adversely affect the performance of pesticides that require a rain free period after application.

Conditions do not appear favorable for the occurrence of cranberry scald today and Tuesday.

Estimated soil moisture in percent of field capacity is above 80 in most locations in the north and central and above 60 in most southern locations.

Growing degree day totals base 50 since March first now range from over 1200 in the north to over 1500 in the south. Totals are still ahead of normal.

Hay cutting will see fair drying conditions today with a chance of showers and thunderstorms possible for the next couple days.

The latest 8 to 14 day outlook for the period July 25, 2005 through July 31, 2005, is calling for temperatures to average below normal and precipitation to total below normal.

### Climate summary for the week ending 8 am July 18, 2005

Temperatures averaged much above normal, averaging 77 degrees north, 77 degrees central, and 79 degrees south. Extremes were 93 degrees at Canoe Brook on the July 12, 2005, and 56 degrees at Freehold on July 12, 2005.

Weekly rainfall averaged 0.72 inches north, 1.86 inches central, and 0.74 inches south. The heaviest 24 hour total reported was 2.97 inches at South Harrison on July 15, 2005, through July 16, 2005.

Estimated soil moisture, in percent of field capacity, this past week averaged 83 percent north, 81 percent central, and 70 percent south.

Four inch soil temperatures averaged 75 degrees north, 76 degrees central, and 77 degrees south.

Weather Summary for the Week Ending 8 am Monday, July 18, 2005

	Weat	her Sumn	nary for the	e Week Er	iding 8 am	n Monday,	, July 18,	2005		
Weather Stations	Rainfall			Temperatures				<b>Growing Degree Days</b>		Soil
	Last Week	Since March 1		Last Week				1/		Moisture
		Total	Dept.*	Max.	Min.	Avg.	Dept.*	Total	Dept.*	2/
- Inches -				- Degrees -			- Base 50°F -			
				NO	RTH					
Belvidere Bridge	1.16	15.79	-1.97	92	61	77	4	1369	132	90
Canoe Brook	.69	17.41	-1.45	93	66	78	4	1566	326	80
Charlotteburg	.07	19.68	.64	88	59	75	5	1277	276	70
Flemington	1.61	22.34	4.16	90	65	78	4	1474	194	100
Newton	.09	16.15	-1.20	90	63	78	6	1396	294	71
				CEN.	TRAL					
Freehold	2.51	22.26	4.56	90	56	76	1	1471	89	99
Long Branch	1.30	20.38	2.75	92	64	76	2	1436	130	95
New Brunswick	2.29	21.84	4.32	92	66	78	3	1543	81	100
Toms River	2.36	21.95	4.00	92	62	77	3	1395	79	69
Trenton	.86	20.62	3.99	90	66	79	3	1550	27	73
				SO	JTH					
Cape May C.H.	1.25	18.26	2.63	90	67	78	2	1220	-183	96
Downstown	.51	16.25	05	91	64	79	3	1462	-74	63
Glassboro	.86	17.92	.56	92	66	80	4	1675	160	65
Hammonton	1.64	18.48	.71	92	64	80	4	1525	15	94
Pomona	.08	17.42	1.88	91	65	79	4	1423	23	43
Seabrook	.12	17.62	1.87	92	71	81	5	1700	157	52
South Harrison	4.10	22.17	4.67	91	66	79	NA	1583	NA	NA

\*Departure from normal.

<sup>1/</sup> Growing degree days since March 1, 2005, total and departure from normal or long term average. 2/ Estimated soil moisture as % of field capacity based on climate data.

## Warm Temperatures Improve Field Crop Condition

Outdoor activities included cutting and baling hay, spraying, and harvesting vegetables. Days suitable for field work, for the week ending Sunday, July 17, 2005, were 5.0. Topsoil moisture was rated 70% adequate and 30% surplus. Irrigation water supply was rated 100% adequate. There were measurable amounts of rainfall in many parts of the state. Temperatures were above normal across most of the state. Planting of soybeans continued, while wheat harvest neared completion in the south. Second cutting of alfalfa hay was winding up in the southern district. Field crops rated in good condition across the state. Harvest of cucumbers, peppers, squash, sweet corn, and tomatoes continued in the south. Vegetables rated in mostly good condition. Fruit was rated in good condition in most localities. Pasture was rated in mostly fair to good condition.